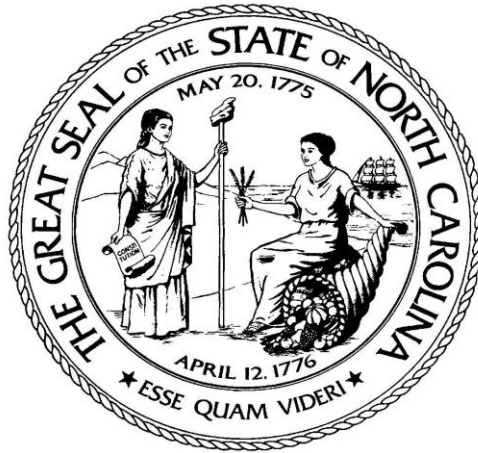


NORTH CAROLINA GENERAL ASSEMBLY



JOINT LEGISLATIVE COMMISSION ON ENERGY POLICY

REPORT TO THE 2014 SESSION of the 2013 GENERAL ASSEMBLY

MAY 14, 2014

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TRANSMITTAL LETTER

May 14, 2014

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TO THE MEMBERS OF THE 2014 REGULAR SESSION
OF THE 2013 GENERAL ASSEMBLY

Pursuant to Article 33 of Chapter 120 of the General Statutes, the Joint Legislative Commission on Energy Policy submits its report and recommendations to the 2014 Regular Session of the 2013 General Assembly.

Respectfully submitted,

Senator Bob Rucho

Representative Mike Hager

Co-Chairs
Joint Legislative Commission on Energy Policy

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STATUTORY AUTHORITY

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NORTH CAROLINA GENERAL STATUTES

Article 33.

Joint Legislative Commission on Energy Policy.

§ 120-285. Creation and membership of Joint Legislative Commission on Energy Policy.

- (a) The Joint Legislative Commission on Energy Policy is established.
- (b) The Commission shall consist of 10 members as follows:
 - (1) Five members of the Senate appointed by the President Pro Tempore of the Senate, at least one of whom is a member of the minority party.
 - (2) Five members of the House of Representatives appointed by the Speaker of the House of Representatives, at least one of whom is a member of the minority party.

(c) Terms on the Commission are for two years and begin on the convening of the General Assembly in each odd-numbered year. Members may complete a term of service on the Commission even if they do not seek reelection or are not reelected to the General Assembly, but resignation or removal from service in the General Assembly constitutes resignation or removal from service on the Commission. A member continues to serve until the member's successor is appointed.

§ 120-286. Purpose and powers and duties of Commission.

(a) The Joint Legislative Commission on Energy Policy shall exercise legislative oversight over energy policy in the State. In the exercise of this oversight, the Commission may do any of the following:

- (1) Monitor and evaluate the programs, policies, and actions of the Mining and Energy Commission established pursuant to G.S. 143B-293.1, the Energy Policy Council established pursuant to G.S. 113B-2, the Energy Division in the Department of Commerce, the Utilities Commission and Public Staff established pursuant to Chapter 62 of the General Statutes, and of any other board, commission, department, or agency of the State or local government with jurisdiction over energy policy in the State.
- (2) Review and evaluate existing and proposed State statutes and rules affecting energy policy and determine whether any modification of these statutes or rules is in the public interest.
- (3) Monitor changes in federal law and court decisions affecting energy policy.

- (4) Monitor and evaluate energy-related industries in the State and study measures to promote these industries.
- (5) Study any other matters related to energy policy that the Commission considers necessary to fulfill its mandate.

(b) The Commission may make reports and recommendations, including proposed legislation, to the General Assembly from time to time as to any matter relating to its oversight and the powers and duties set out in this section.

§ 120-287. Organization of Commission.

(a) The President Pro Tempore of the Senate and the Speaker of the House of Representatives shall each designate a cochair of the Joint Legislative Commission on Energy Policy. The Commission may meet at any time upon the call of either cochair, whether or not the General Assembly is in session.

(b) A quorum of the Commission is six members.

(c) While in the discharge of its official duties, the Commission has the powers of a joint committee under G.S. 120-19 and G.S. 120-19.1 through G.S. 120-19.4. The Commission may contract for consultants or hire employees in accordance with G.S. 120-32.02.

(d) From funds available to the General Assembly, the Legislative Services Commission shall allocate monies to fund the Joint Legislative Commission on Energy Policy. Members of the Commission receive subsistence and travel expenses as provided in G.S. 120-3.1. The Legislative Services Commission, through the Legislative Services Officer, shall assign professional staff to assist the Commission in its work. Upon the direction of the Legislative Services Commission, the Supervisors of Clerks of the Senate and of the House of Representatives shall assign clerical staff to the Commission. The expenses for clerical employees shall be borne by the Commission.

COMMISSION MEMBERSHIP

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JOINT LEGISLATIVE COMMISSION ON ENERGY POLICY

2013-2014 Membership

Pursuant to G.S. 120-285, The Joint Legislative Commission on Energy Policy consists of 10 members, 5 appointed by the President Pro Tempore of the Senate, at least one of whom is a member of the minority party and 5 appointed by the Speaker of the House of Representatives, at least one of whom is a member of the minority party.

President Pro Tempore of the Senate **Appointments:**

Senator Bob Rucho, Co-Chair
300-A Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5655
Email: Bob.Rucho@ncleg.net

Senator Andrew Brock
521 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 715-0690
Email: Andrew.Brock@ncleg.net

Senator Kathy Harrington
2113 Legislative Building
16 W. Jones Street
Raleigh, NC 27601-2808
(919) 733-5734
Email: Kathy.Harrington@ncleg.net

Senator Gene McLaurin
1118 Legislative Building
16 W. Jones Street
Raleigh, NC 27601-2808
(919) 733-5953
Gene.McLaurin@ncleg.net

Speaker of the House of Representatives **Appointments:**

Representative Mike Hager, Co-Chair
304 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5749
Email: Mike.Hager@ncleg.net

Representative Rick Catlin
638 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5830
Email: Rick.Catlin@ncleg.net

Representative Ken Goodman
542 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5823
Email: Ken.Goodman@ncleg.net

Representative Jacqueline Schaffer
1323 Legislative Building
16 W. Jones Street
Raleigh, NC 27601-2808
(919) 733-5886
Email: Jacqueline.Schaffer@ncleg.net

Senator E.S. (Buck) Newton

408 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 715-3030
Email: Buck.Newton@ncleg.net

Representative Mike Stone

529 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 715-3026
Email: Michael.Stone@ncleg.net

Advisory Members:**Senator Ronald J. Rabin**

526 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5748
Email: Ron.Rabin@ncleg.net

Senator Trudy Wade

2106 Legislative Building
16 W. Jones Street
Raleigh, NC 27601-2808
(919) 733-5856
Email: Trudy.Wade@ncleg.net

Advisory Members:**Representative James L. Boles, Jr.**

528 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5903
Email: James.Boles@ncleg.net

Committee Staff:**Research Division**

Jennifer McGinnis, Commission Counsel

Jennifer Mundt, Commission Analyst

Peter Ledford, Commission Counsel
545 Legislative Office Building
300 North Salisbury Street
Raleigh, North Carolina 27603
(919) 733-2578

Legislative Drafting Division

Jeff Cherry, Commission Counsel
401 Legislative Office Building
300 North Salisbury Street
Raleigh, NC 27603
(919) 733-6660

Fiscal Research Division

Jennifer Hoffmann, Commission Analyst

Timothy Dale, Commission Analyst

Suites 203 and 619 Legislative Office Building
300 North Salisbury Street
Raleigh, NC 27603
(919) 733-4910

Committee Clerks**Lindsey Dowling**

304 Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5749
Email: Hagerla@ncleg.net

Will Verbiest

300-A Legislative Office Building
300 N. Salisbury Street
Raleigh, NC 27603-5925
(919) 733-5655
Email: Ruchola@ncleg.net

COMMISSION PROCEEDINGS

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The Joint Legislative Commission on Energy Policy met eight times during the interim between the 2013 and the 2014 Regular Sessions of the General Assembly. The Commission's Charge can be found [here](#). The following is a brief summary of the Commission's proceedings. Detailed minutes and information from each Committee meeting are available in the Legislative Library and [online](#)¹.

¹ The website for the Joint Legislative Commission on Energy Policy:
http://ncleg.net/gascripts/Committees/Committees.asp?sAction=ViewCommittee&sActionDetails=Non-Standing_6576

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AGENDA
1:00 p.m. Tuesday, October 1, 2013
Room 544 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Senator Bob Rucho, Presiding
2. Introductory remarks by Cochairs (*10 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Introduction of Members and Staff (*15 minutes*)
4. Review of Commission Charge (*5 minutes*)
Jennifer McGinnis, Commission Counsel
5. Report on activity of the Department of Environment and Natural Resources (DENR) related to development of a modern regulatory program for the management of oil and gas exploration and development activities in the State, and use of horizontal drilling and hydraulic fracturing (fracking) for that purpose. (*45 minutes*)
 - a. Merger of the State Energy Office into the Division of Energy, Mineral and Land Resources.
 - b. Use of funds authorized by the 2012 and 2013 appropriations acts (S.L. 2012-142 and S.L. 2013-360, respectively) for: staff assistance to the Mining and Energy Commission (MEC); data collection and analysis of geological samples in the Deep River, Dan River, and the Cumberland-Marlboro Basins; and marketing expenses related to shale gas resources.
 - c. DENR's recent decision to decline Wetlands Program Development Grants from the United States Environmental Protection Agency, including nature and amount of grants, basis for the decision, and prospects for reapplication.
 - d. Report on DENR's findings and recommendations concerning the study of the State's current law on the issue of integration or compulsory pooling and other states' laws on the matter (Sec. 2(l) of S.L. 2012-143/S820, as amended by Sec. 12(c) of S.L. 2012-201/H953, October 1, 2013)

Mitch Gillespie, Assistant Secretary for the Environment
DENR
6. Report on activity of the MEC concerning the rule development process for the management of oil and gas exploration and development activities in the State, and use of fracking for that purpose, as well as ongoing studies directed by S.L. 2013-365. (*1 hour 25 minutes*)
 - a. Overview of Commission activities

- b. Rules
 - 1. Overview of process, timeline, and administration
James Womack, Chairman
MEC
 - 2. Water and Waste Management Committee
Dr. Vikram Rao, Member
MEC
 - 3. Environmental Standards Committee
George Howard, Member
MEC
 - 4. Rules Committee
Amy Pickle, Member
MEC
- c. Completed Studies -- Findings and Recommendations
 - 1. Levels of appropriate funding and potential sources for that funding deemed necessary in connection with management of oil and gas exploration and development activities in the State. (Sec. 2(j) of S.L. 2012-143/S820, as amended by Sec. 12(a) of S.L. 2012-201/H953, October 1, 2013)
Jane Lewis-Raymond, Member
MEC
 - 2. Local government regulation of oil and gas exploration and development activities, and the use of fracking for that purpose. (Sec. 2(k) of S.L. 2012-143/S820, as amended by Sec. 12(b) of S.L. 2012-201/H953, October 1, 2013) (*10 minutes*)
Charles Taylor, Member
MEC
 - 3. The State's current law on the issue of integration or compulsory pooling and other states' laws on the matter (Sec. 2(l) of S.L. 2012-143/S820, as amended by Sec. 12(c) of S.L. 2012-201/H953, October 1, 2013)
Dr. Ray Covington, Vice Chairman
MEC
- d. Ongoing Studies
 - 1. Study Group Overview
Dr. Ray Covington, Vice Chairman
MEC
 - 2. Coordinated Permitting
Dr. Kenneth Taylor, Ex Officio Member
MEC
 - 3. Protection of Trade Secrets and Proprietary Information
James Womack, Chairman
MEC
- e. Closing and questions
James Womack, Chairman
MEC

7. Report on activity of the Environmental Management Commission (EMC) concerning the rule development process for the management of oil and gas exploration and development activities in the State, and use of fracking for that purpose (*15 minutes*)
Benne Hutson, Chairman
EMC
8. Report on activity of the Commission for Public Health (CPH) concerning the rule development process for the management of oil and gas exploration and development activities in the State, and use of fracking for that purpose (*5 minutes*)
Mitch Gillespie, Assistant Secretary for the Environment
DENR
9. Commission discussion and announcements
10. Adjourn

AGENDA
1:30 p.m. Tuesday, November 5, 2013
Room 643 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Representative Mike Hager, Presiding
2. Introductory remarks by Cochairs (*10 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Modernization of oil and gas statutes (*1 hour*)
Ben Norris, Counsel
American Petroleum Institute

James D. Rankin, III, Attorney
Perkins & Trotter, PLLC
4. Issues associated with ancient mineral rights (*30 minutes*)
Theodore A. Feitshans, J.D., Extension Associate Professor
Department of Agricultural and Resource Economics, North Carolina State
University
5. Compressed natural gas (CNG) and liquefied natural gas (LNG) for transportation (*1 hour*)
Zachary Wester, Policy and Regulatory Associate
Robert Clark, Regional Operations Manager, Southeast
Bryn Marley, Regional Operations Manager, Northeast
Blu.

Brett Barry, Public Policy and Regulatory Affairs Advisor
Clean Energy Fuels
6. Current natural gas utilities and services in North Carolina (*30 minutes*)
Ken Valentine, Vice President of Business Development and Technology Services
Piedmont Natural Gas

George Ratchford, Vice-President of Gas Operations
PSNC
7. Commission discussion and announcements
8. Adjourn

AGENDA
1:30 p.m. Tuesday, December 3, 2013
Room 544 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Senator Bob Rucho, Presiding
2. Introductory remarks by Cochairs (*10 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Presentation on issues concerning the electrical grid and measures and strategies that may be taken to strengthen and protect the integrity of the grid from direct or indirect attacks and/or the effects of natural disasters (*1 hour*)
 - a. NOAH Mission Statement
Sid Morris, Founder
The NOAH Foundation
 - b. The Electric Grid - “Our Most Important Infrastructure”; Why I Wrote “One Second After”
Dr. William Forstchen, Historian and New York Times Best Selling Author
 - c. Current Status and Vulnerability of the Grid
R. James Woolsey, Former Director
Central Intelligence Agency
 - d. Why Isn’t Our Grid Hardened?
Peter V. Pry, Executive Director
Task Force on National and Homeland Security
4. Presentation on how municipal electric systems are structured, governing mechanism, and explanation of rates (*30 minutes*)
T. Graham Edwards, CEO
ElectriCities of North Carolina
5. Presentation on the structure and function of the Utilities Commission and emerging issues in utility regulation (*30 minutes*)
Edward S. Finley, Jr., Chairman
North Carolina Utilities Commission
6. Presentation on the structure and function of Public Staff, primer on rate making for utilities including discussion of avoided cost proceedings, and emerging issues (*30 minutes*)
Christopher J. Ayers, Executive Director
Public Staff, North Carolina Utilities Commission

7. Presentation on how electric cooperatives are structured, governing mechanism, and alternative method of regulation (*30 minutes*)
Joe Brannan, Executive Vice President & Chief Executive Officer,
North Carolina Electric Membership Corporation
8. Commission discussion and announcements
9. Adjourn

AGENDA
1:00 p.m. Tuesday, January 7, 2014
Room 544 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Representative Mike Hager, Presiding
2. Introductory remarks by Cochairs (*10 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Duke Energy overview and emerging issues (*30 minutes*)
Paul Newton, President
Duke Energy, North Carolina
4. Senate Bill 3 (*1 hour 5 minutes*)
 - a. Legislation overview (*15 minutes*)
Heather Fennell, Commission Counsel
 - b. Renewable energy in the regulatory process (*20 minutes*)
Dan Conrad, Attorney
North Carolina Utilities Commission
 - c. Questions/follow-up on renewable energy in the regulatory process (*10 minutes*)
Christopher J. Ayers, Executive Director
Public Staff, North Carolina Utilities Commission
 - d. Renewable energy providers in North Carolina (*20 minutes*)
Ivan Urlaub, Executive Director
North Carolina Sustainable Energy Association
5. Presentations related to use of alternative fuels for the State's school bus fleets (*25 minutes*)
 - a. Overview of North Carolina Alternative Fuels Feasibility Study (S.L.2012-186)
Neal Robbins, Director of Legislative and Intergovernmental Affairs
Department of Environment and Natural Resources (DENR)
 - b. Presentation on addition of propane fuel option to State's school bus bidding form
Bill Daughtridge, Jr., Secretary
Department of Administration

Derek Graham, Section Chief
Transportation Services, Department of Public Instruction

6. Presentation on permitting of wind energy facilities in the State (*25 minutes*)
 - a. Overview of H484/S.L. 2013-51
Jennifer R.F. Mundt, Commission Analyst
 - b. Status of wind permitting process within DENR and pending projects
Mitch Gillespie, Assistant Secretary for Environment
DENR
7. USEPA's proposed greenhouse gas emissions (carbon control) standards for new and existing power plants: (a.) Briefing on proposed regulations and recently introduced Congressional legislation to repeal rules (H.R. __, Whitfield-Manchin Legislation); and (b.) Presentation of testimony given to the Committee on Energy and Commerce Subcommittee on Energy and Power of the United States House of Representatives (*25 minutes*)
Donald R. Van der Vaart, Ph.D, P.E., J.D.
Chief, Permitting Section, Division of Air Quality, DENR
8. Commission discussion and announcements
9. Adjourn

AGENDA
1:30 p.m. Tuesday, February 4, 2014
Room 643 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Senator Bob Rucho, Presiding
2. Introductory remarks by Cochairs (*10 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Approval of the minutes from the October 1, 2013, November 5, 2013, and December 3, 2013 Commission meetings
4. Overview of liquefied natural gas facilities and exports (*1 hour 15 minutes*)
 - a. Bruce McKay, Managing Director, Federal Affairs
Dominion
 - b. Bill Cooper, President
The Center for Liquefied Natural Gas
5. Report on activity of the Mining and Energy Commission (MEC) concerning the rule development process for the management of oil and gas exploration and development activities in the State, and use of fracking for that purpose. (*1 hour 15 minutes*)
 - a. Update of MEC activities, milestones, and scheduling
James Womack, Chairman
MEC
 - b. Water / Wastewater Management & Environmental Standards Committee updates
James Womack, Chairman
MEC
 - c. Administration of Oil & Gas Committee update
Charles Holbrook, Member
MEC
 - d. Rules Committee update
Amy Pickle, Member
MEC
 - e. Coordinated Permitting Study Group findings and conclusions
Dr. Kenneth Taylor, Member
MEC
 - f. Pooling, unitization, and other statutory changes needed
Dr. Ray Covington, Vice-Chairman
MEC

6. Discussion of members' and staff November 2013 visit to Arkansas (*30 minutes*)
 - a. Overview
Jennifer L. McGinnis, Commission Counsel
 - b. Member discussion
7. Overview and discussion of net-zero energy schools (*30 minutes*)
 - a. Robbie Ferris, CEO/President
SfL+A Architects
 - b. Steven Hunt, CEO and General Manager
Lumbee River EMC
8. Commission discussion and announcements
9. Adjourn

AGENDA
1:30 p.m. Tuesday, March 4, 2014
Room 643 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Representative Mike Hager, Presiding
2. Introductory remarks by Cochairs (*5 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Approval of the minutes from the January 7, 2014 Commission meeting
4. Report on activity of the Energy Policy Council (*45 minutes*)
Lieutenant Governor Dan Forest
5. Report from the Office of the Governor on development of a regional interstate offshore energy policy compact pursuant to S.L. 2013-365/S76, Sec. 7 (*15 minutes*)
Donald R. van der Vaart, Ph.D, J.D., P.E., Energy Policy Director
Department of Environment and Natural Resources
6. Follow-up on January presentation concerning addition of propane fuel option to State's school bus bidding form, including status of award(s) (*30 minutes*)
Dee Jones, Chief Operating Officer
Department of Administration

Derek Graham, Section Chief
Transportation Services, Department of Public Instruction
7. Overview of severance taxes in other states (*45 minutes*)
Michael A. Hannah, Senate Tax Counsel

Heather Fennell, Commission Counsel
8. Commission discussion and announcements
9. Adjourn

AGENDA
1:00 p.m. Tuesday, April 1, 2014
Room 643 Legislative Office Building
Raleigh, North Carolina

1. Call to order
Senator Bob Rucho, Presiding
2. Introductory remarks by Cochairs (*5 minutes*)
Senator Bob Rucho
Representative Mike Hager
3. Approval of the minutes from the March 4, 2014 Commission meeting
4. Presentation on “[The Economic Potential from Developing North Carolina’s On-Shore and Off-Shore Energy Resources](#),” report issued April 1, 2013 (*30 minutes*)
Dr. Michael L. Walden
William Neal Reynolds Distinguished Professor
Department of Agricultural and Resource Economics
North Carolina State University
5. Presentations from faculty and staff from North Carolina A&T’s Center for Energy Research and Technology (CERT), North Carolina State University, and UNC Charlotte’s Energy Production & Infrastructure Center (EPIC), with overviews of the energy programs at their respective institutions (*45 minutes*)
 - a. Raymond C. Tesiero, Mechanical Engineer & Research Coordinator, CERT
North Carolina A&T State University
 - b. Louis Martin-Vega, Dean of the College of Engineering
North Carolina State University
 - c. Dr. Johan Enslin, Director, EPIC
University of North Carolina Charlotte
6. Reports on: (i) activity of the Mining and Energy Commission (MEC) concerning the rule development process for the management of oil and gas exploration and development activities in the State, and use of fracking for that purpose; and (ii) report on the study required by Section 2(b) of S.L. 2013-365 concerning an appropriate rate of severance tax that should be imposed in association with oil and gas exploration and development activities using horizontal drilling and hydraulic fracturing treatments in the State (*45 minutes*)
James Womack, Chairman
MEC
- 7.(a) Reports on legislative changes requested or recommended by MEC in association with development of a modern regulatory program for the management of oil and gas

exploration and development activities in the State, and use of fracking for that purpose, as required by Section 2(m) of S.L. 2012-143 *(30 minutes)*

James Womack, Chairman

MEC

- 7.(b) Reports on legislative changes requested or recommended by the Department of Environment and Natural Resources (DENR) in association with development of a modern regulatory program for the management of oil and gas exploration and development activities in the State, and use of fracking for that purpose, as required by Section 2(m) of S.L. 2012-143 *(15 minutes)*

Donald R. van der Vaart, Ph.D, J.D., P.E., Energy Policy Director

DENR

8. Presentation on changes needed for energy-related road use *(15 minutes)*

Jon Nance, Deputy Chief Engineer

Department of Transportation

9. Commission discussion and announcements

10. Adjourn

AGENDA
1:00 p.m. Thursday, May 8, 2014
Room 643 Legislative Office Building
Raleigh, North Carolina

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COMMISSION RECOMMENDATIONS

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The Joint Legislative Commission on Energy Policy makes the following recommendations:

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LEGISLATIVE PROPOSALS

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